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AMENDMENTS TO THE CLAIMS

1. (Currently amended) A copolymer composition comprising a compound having the formula:

A---B (I)

wherein A is a thermoplastic block copolymer including a monomer RZ; B is polyisobutylene including a monomer (D)_m; m and n are each independent integers between 10 and 10⁷; R is an oxygen and an element selected from the group consisting of a chalcogen, nitrogen, and phosphorus; and Z is a cation; and RZ is present on over 0.7n 70 mol percent of the monomer Θ RZ in copolymer A to provide an ion exchange capacity of between 1.78 and 2.04 milliequivalents per gram of said compound.

- 2. (Original) The copolymer composition of claim 1 wherein A is polystyrene.
- 3-4 (Canceled)
- 5. (Previously presented) The copolymer composition of claim I wherein R is SO₃.
- 6. (Previously presented) The copolymer composition of claim 1 wherein Z is a cation compatible with R and selected from the group consisting of H, a lanthanide species, an alkaline earth metal and an alkali metal.

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- 7. (Original) The copolymer composition of claim 6 wherein Z is Cs.
- 8. (Original) The copolymer composition of claim 1 further comprising a second block A bonded to block B.
- 9. (Original) The copolymer composition of claim 1 wherein block A is present at levels ranging between 1-99% of the total block copolymer.
- 10. (Original) The copolymer composition of claim 1 wherein block A is present at levels ranging between 5-90% of the total block copolymer.
- 11. (Original) The copolymer composition of claim 1 wherein block A is present at levels ranging between 10-70% of the total block copolymer.
- 12. (Currently amended) A copolymer composition comprising a compound having the formula:

wherein A is a thermoplastic block copolymer including a monomer PRZ; B is polyisobutylene including a monomer — (D)_m; A' is a thermoplastic block copolymer (C)q including a monomer PRZ; m and n are each independent integers between 10 and 107; R is oxygen and an element selected from the group consisting of a chalcogen, nitrogen, and

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phosphorus; and Z is a cation; P is a phenyl group, and RZ is present on over 0.7(n+q) of P 70

mol percent of the monomer PRZ and the monomer PRZ to provide an ion exchange capacity of between 1.78 and 2.04 milliequivalents per gram of said compound.

- 13. (Canceled)
- 14. (Previously presented) The copolymer composition of claim 12 wherein Z is a cation compatible with R and selected from the group consisting of H, a lanthanide species, an alkaline earth metal and an alkali metal.
 - 15. (Original) The copolymer composition of claim 12 wherein R is SO₃.
- 16. (Original) The copolymer composition of claim 12 wherein Z is selected from the group consisting of: H, Cs, Zn and Na.
 - 17. (Original) The copolymer composition of claim 12 wherein RZ is SO₃H.
- 18. (Original) The copolymer composition of claim 12 wherein block A is present at levels ranging between 1-99% of the total block copolymer.
- 19. (Original) The copolymer composition of claim 12 wherein block A is present at levels ranging between 5-90% of the total block copolymer.

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20. (Currently amended) The copolymer composition of claim 12 wherein block A is present at levels ranging between 10-70% of the total block copolymer A and A'.

21-30 (Canceled)